

**THE SUPER SECRET NUMBER PUZZLE**  
**SOLVING ONE STEP EQUATIONS**

Solve the 10 equations. Write your final answer to the left of each problem. When you are finished, add up all of your answers. Write the SUPER SECRET NUMBER at the bottom of the page.

\_\_\_\_\_ 1.  $3x = 6$

\_\_\_\_\_ 2.  $x + 2 = 5$

\_\_\_\_\_ 3.  $5 + x = -3$

\_\_\_\_\_ 4.  $5x = -10$

\_\_\_\_\_ 5.  $\frac{1}{2}x = 4$

\_\_\_\_\_ 6.  $16 = -4x$

\_\_\_\_\_ 7.  $x - 3 = -4$

\_\_\_\_\_ 8.  $x + 4 = -7$

\_\_\_\_\_ 9.  $7x = 21$

\_\_\_\_\_ 10.  $-6 + x = 8$



**THE SUPER SECRET NUMBER IS** \_\_\_\_\_



**THE SUPER SECRET NUMBER PUZZLE**  
**SOLVING TWO STEP EQUATIONS**

Solve the 10 equations. Write your final answer to the left of each problem. When you are finished, add up all of your answers. Write the SUPER SECRET NUMBER at the bottom of the page.

\_\_\_\_\_ 1.  $2x + 4 = 6$

\_\_\_\_\_ 2.  $7 = 3x - 2$

\_\_\_\_\_ 3.  $-x - 4 = 6$

\_\_\_\_\_ 4.  $-2 = 2 + \frac{x}{4}$

\_\_\_\_\_ 5.  $\frac{1}{2}x + 6 = 5$

\_\_\_\_\_ 6.  $20 - 8x = 12$

\_\_\_\_\_ 7.  $5x + 4 = -16$

\_\_\_\_\_ 8.  $-2 + 7x = 19$

\_\_\_\_\_ 9.  $3 + \frac{x}{6} = 4$

\_\_\_\_\_ 10.  $-5x + 3 = -12$



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**THE SUPER SECRET NUMBER IS \_\_\_\_\_**



**THE SUPER SECRET NUMBER PUZZLE**  
**SOLVING EQUATIONS WITH THE DISTRIBUTIVE PROPERTY**

Solve each equation. Write your answers to the left of each question.  
When you are finished, add up all of your answers. Write the SUPER  
SECRET NUMBER at the bottom of the page.

\_\_\_\_\_1.  $-2(x + 4) = 6(x + 8)$

\_\_\_\_\_2.  $4 - 2(2x + 5) = 3(-x + 5)$

\_\_\_\_\_3.  $3(6 - 3x) + 2x = 7x + 4(x - 7) + 10$

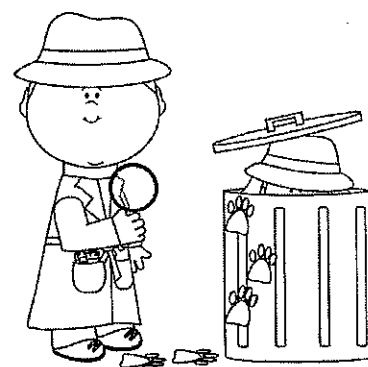
\_\_\_\_\_4.  $-5(1 - 5x) + 5(-8x - 2) = -12x$

\_\_\_\_\_5.  $7x + 3(-5x - 3) = 63$

\_\_\_\_\_6.  $5x - 3[7 - (1 - 2x)] = 0$

\_\_\_\_\_7.  $-46 = -4(3x + 4) - 6$

\_\_\_\_\_8.  $2(x - 6) + 4 = x - 4(x + 2)$



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